

ABSTRACT

A wireless communication apparatus having an antenna and a control portion for controlling directivity of the antenna and communicates with a base station. The antenna is an adaptive antenna having a plurality of antenna elements and a phase shifter for changing a phase of electric power supplied to the antenna elements, and the control portion performs switching control so that directivity of the antenna is set to beam steering or null steering based on a control signal from the base station. The wireless communication apparatus properly controls the adaptive antenna by making a change in proper parameters, a change in control priority and a change in weighting.